

Amendments to the Drawings:

The attached replacement sheet of drawings includes changes to Figure 2A and replaces the original sheet including Figure 2A.

In Figure 2A, the legend –(Prior Art)- has been added.

Attachments following last page of this Amendment:

Replacement Sheet (1 page)

Annotated Sheet Showing Change(s) (1 page)

REMARKS

In reply to the Office Action of May 27, 2005, the applicant submits the following remarks. Claims 22-24 have been amended. Claims 1-9 and 13-17 are cancelled without prejudice. The applicant reserves the right to prosecute the subject matter of the cancelled claims in one or more continuation or divisional applications. Claims 25-38 are new. Claim 22 has been amended to require the reactive material to comprise one or more of barium oxide, calcium oxide, calcium or barium. Support for the amendment can be found starting on page 12, at line 22 through page 13, line 2 and in originally filed claim 23. Because applicants have recited use of barium oxide, other alkaline earth metal oxides, barium or other alkaline earth metals in the alternative, applicants are free to choose which alternatives to claim. In re Johnson, 558 F.2d 1008 (CCPA, 1997) (cited in MPEP § 2173.05(i)).

Support for the amendment to claim 23 can be found on page 9, lines 12-17 and page 13, lines 2-8. New claim 25 is supported on page 7, lines 12-13. New claim 26 is supported on page 9, lines 19-21. New claim 27 is supported on page 10, lines 20-21. New claim 28 is supported on page 11, line 1. New claims 29 and 30 are supported on page 5, lines 5-19. New claims 31-32 and 37 are supported on page 11 at lines 18-19. New claims 33-34 are supported on page 13, lines 2-6. New claim 35 is supported on page 14 at lines 4-8. New claims 36 and 38 are supported by originally filed claim 23 and starting on page 12, at line 22 through page 13, line 2. No new matter has been added. After entry of this amendment, claims 10-12 and 18-38 are pending. Entry of the instant amendments and new claims is respectfully requested.

Objection to Specification

The specification has been amended at page on page 5 to correct a typographical error. The applicant believes this addresses the Examiner's objection.

Objection to Figure 2A

Figure 2A has been objected to. The legend -Prior Art- has been added to Figure 2A. The applicant believes this addresses the Examiner's objection to the drawings.

Rejections Under Section 102

Claims 22-24 were rejected under 35 U.S.C. 102(b) as allegedly being anticipated by U.S. Patent Number 6,112,888 ("Sauro"). The applicant respectfully disagrees.

Sauro describes using a desiccant mixed in an organic matrix (col. 2, lines 17-20). The dessicants can be one of a zeolite, silica gel, activated carbon, silica alumina, non-zeolite molecular sieves and non-reactive inorganic oxides (col. 2, lines 50-59).

Sauro does not describe a composition including one of barium oxide, calcium oxide, calcium or barium. While Sauro does describe some dessicants, Sauro fails to teach using barium oxide, calcium oxide, calcium or barium, as required by amended claim 22. Sauro refers to non-reactive inorganic oxides as being preferred desiccants, however, Sauro lists neither barium oxide nor calcium oxide. For at least these reasons, the applicant submits that claim 22 as amended is not anticipated by Sauro. Claims 23-24, as well as new claims 25-34, depend directly or indirectly from claim 22 and are similarly not anticipated.

With respect to new claims 35-38, Sauro describes compounding the desiccant and organic matrix, such as in a kneader extruder or twin screw extruder to disperse the desiccant (col. 4, lines 1-8). In Sauro, the combined desiccant/organic composition is heated and the entire composition melts (col. 2, lines 61-64; col. 3, lines 1-5). In contrast, in applicant's invention defined by claim 35, only the second layer melts/reflows. Sauro does not describe forming two layers of material, where a first layer is a reactive material and a second layer is an inert material, and the second layer responds to the inputted energy by, e.g., melting or reflowing. The applicant therefore submits that new claim 35 and those claims depending therefrom are also not anticipated by Sauro.

The Commissioner is hereby authorized to charge any additional fees or credit any overpayments to Deposit Account No. 19-2179 of Siemens Corporation.

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Annotated Sheet Showing Changes

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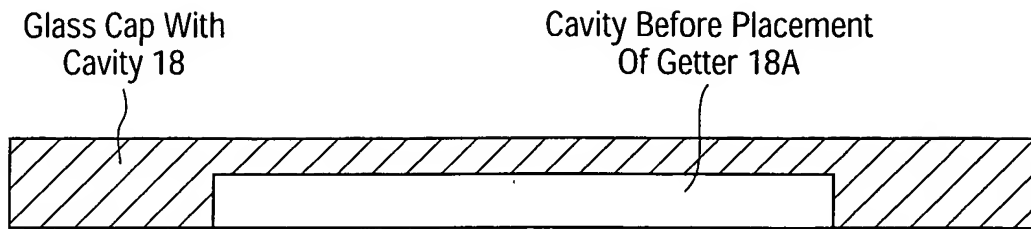


FIG. 2A (Prior Art)

INSERTED

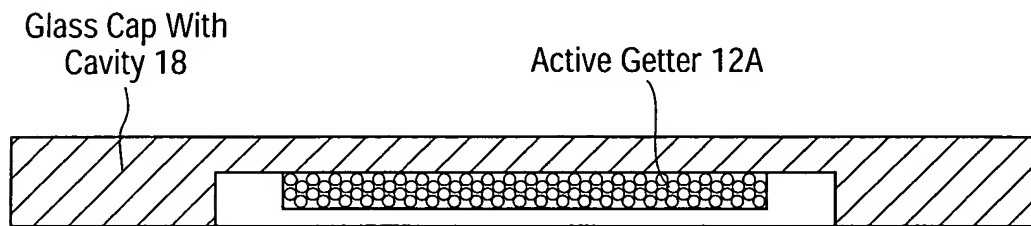


FIG. 2B

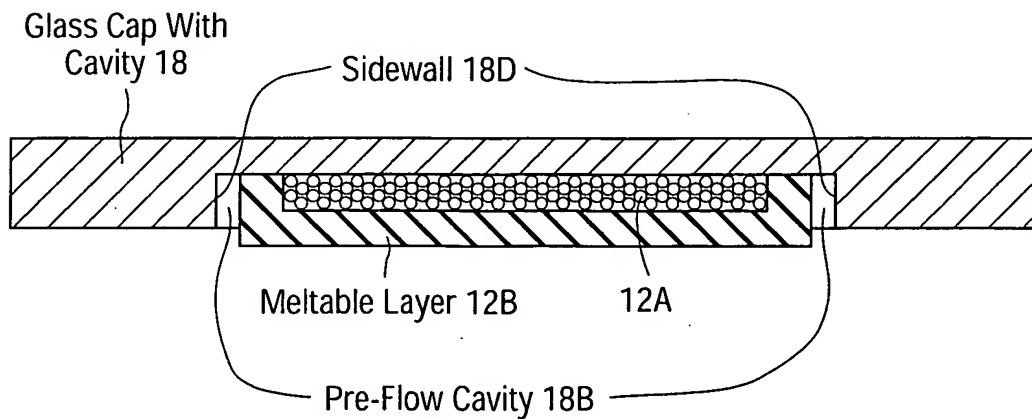


FIG. 2C